

AMENDMENT TO THE CLAIMS

Please amend the claims as follows (a clean copy of the pending claims after entry of the amendment to the claims is provided in Appendix 1):

1. (currently amended) A magnetic recording head, comprising:

a magnetoresistive layer having a first end and a second end;

a soft adjacent magnetic transverse bias layer (SAL) having a first end and a second end;

an insulating layer arranged between said magnetoresistive layer and said SAL;

~~a first conductive layer including an extending portion directly contacting a top surface of said magnetoresistive layer and electrically contacting said first end of said magnetoresistive layer and said first end of said SAL;~~

~~a second conductive layer including an extending portion directly contacting a top surface of said magnetoresistive layer and electrically contacting said second end of said magnetoresistive layer and said second end of said SAL;~~

~~the magnetoresistive layer supporting a first current path between the first and second conductive layers; and~~

~~the SAL supporting a second current path between the first and second conductive layers;~~

~~wherein the second current path is substantially longer than the first current path, and wherein the first and second conductive layers are not a same layer~~

an insulator contact electrically isolating said second end of said SAL from said second end of said magnetoresistive layer.

2. (canceled)

3. (canceled)

4. (previously presented) The magnetic recording head of claim 1, wherein thickness of said magnetoresistive layer is more than 50 Å and less than 400 Å.

5. (previously presented) The magnetic recording head of claim 1, wherein thickness of said SAL is less than 500 Å, and the moment ratio of said SAL to said magnetoresistive layer ranges from 0.6 to 1.0.

6. (canceled)

7. (canceled)

8. (previously presented) The magnetic recording head of claim 1, wherein said insulating layer ranges from 50 Å to 200 Å in thickness.

9. (previously presented) The magnetic recording head of claim 8, wherein said insulating layer is formed of Al₂O₃.

10. (canceled)